



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vladimir BARANOV et al.

Title: ELEMENTAL ANALYSIS OF TAGGED BIOLOGICALLY ACTIVE MATERIALS

Appl. No.: 10/614,115

Filing Date: 07/03/2003

Examiner: Unassigned

Art Unit: 1641

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/905,907, filed 07/17/2001. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 25 July 2005

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5404  
Facsimile: (202) 672-5399

By S. A. Bent

Stephen A. Bent  
Attorney for Applicant  
Registration No. 29,768

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: July 25, 2005

(use as many sheets as necessary)

Complete if Known

Application Number	10/614,115
Filing Date	07/03/2003
First Named Inventor	Vladimir BARANOV
Group Art Unit	1641
Examiner Name	Unassigned

Sheet

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of

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Attorney Docket Number

079012-0102



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
C1	4 022 876			Michael Anbar	5/1977	
C2	6 242 735			Li et al.	6.2001	
C3	5 071 775			Snapka et al.	12/1991	
C4	5 521 289			Hainfeld et al.	5/1996	
C5	6 428 956			Crooke et al.	5/1998	
C6	4 205 952			Anbar	5/10/1977	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
C7		WO	99/45150		Crooke et al.	9/1999		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
C8		Von Banchet & Heppelmann; Journal of Histochemistry and Cytochemistry, Vol. 43, No. 8, pp. 821-827 (1995).	
C9		P. SCHRAMEL, CANAS '95, Colloquim Analytische Atomspektroskopie, Konstanz, Germany, April 2-7, 1995 (1996), Meeting Date 1995, 671-681, Abstract Only.	
C10		Robert S. HOUK, "Inductively Coupled Argon Plasma as an Ion Source for Mass Spectrometric Determination of Trace Elements", Anal. Chem., 1980, 52, pp. 2283-2289.	
C11		Neilsen et al., "Laser Ablation Inductively Coupled Plasma-Mass Spectrometry in Combination with Gel Electrophoresis: A New Strategy for Speciation of Metal Binding Serum Proteins," Spectrochimica Acta Part B, Vol. 53, No. 2, February 1998, pp. 339 -345	
C12		Evans et al., "A Method for Characterization of Humic and Fulvic Acids by Gel Electrophoresis Laser Ablation Inductively Coupled Plasma Mass Spectrometry," The Royal Society of Chemistry, 2000, Vol. 15, No. 2, February 2000, pp. 157-161.	
C13		Zhang et al., "A Novel Combination of Immunoreaction and ICP-MS as a Hyphenated Technique for the Determination of Thyroid-Stimulating Hormone (TSH) in Human Serum," J. Anal. At. Spectrom., Vol. 16, No. 12, December 2001, pp. 1393-1396	
C14		Baranov et al., "A Sensitive and Quantitative Element-Tagged Immunoassay with ICPMS Detection," Analytical Chemistry, Vol. 74, No. 7, April 1, 2002	
C15		C. Zhang et al., "Application of the Biological Conjugate between Antibody and Colloid Au Nanoparticles as Analyte to Inductively Coupled Plasma Mass Spectrometry", Analytical Chemistry, pages 3-8, A-D, 2001.	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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